

PREPARATION AND USES OF LOS-DEPLETED OUTER MEMBRANE  
PROTEINS OF GRAM-NEGATIVE COCCI  
ABSTRACT OF THE DISCLOSURE

Described herein is a method for removing toxic lipooligosaccharide (LOS)  
5 from outer membranes of Gram-negative cocci, such as *Neisseria meningitidis*.  
LOS-depleted outer membranes and LOS-depleted soluble outer membrane  
proteins can be prepared, which are able to elicit bactericidal antibodies against  
homologous strains of bacteria. Vaccines and other uses of the preparations are  
further described.

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